

Attorney Docket No.: KUZ-0024
Inventors: ITO et al.
Serial No.: 10/531,433
Filing Date: April 15, 2005
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This listing of the claims will replace all prior versions and listings of claims in the application:

Listing of the claims:

Claim 1 (canceled)

Claim 2 (previously presented): The patch according to claim 21, wherein the polyisobutylene is a mixture of a high molecular weight polyisobutylene of average molecular weight in a range from 800,000 to 1,600,000 and a low molecular weight polyisobutylene of average molecular weight in a range from 30,000 to 80,000.

Claim 3 (original): The patch according to claim 2, wherein a mass ratio between the high molecular weight polyisobutylene and the low molecular weight polyisobutylene is 1:9 to 2:3.

Claim 4-5 (canceled)

Claim 6 (previously presented): The patch according to claim 22, wherein the percutaneous absorption enhancer is one or more selected from a group consisting of isopropyl myristate, isopropyl palmitate, sorbitan monooleate and oleyl alcohol.

Claim 7 (previously presented): The patch according to claim 21, wherein the patch has an area of 5 to 80 cm² at a time of application.

Claims 8-12 (canceled)

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Claim 13 (previously presented): The patch according to claim 2, wherein the patch has an area of 5 to 80 cm² at a time of application.

Claim 14 (previously presented): The patch according to claim 3, wherein the patch has an area of 5 to 80 cm² at a time of application.

Claim 15 (canceled)

Claim 16 (previously presented): The patch according to claim 22, wherein the patch has an area of 5 to 80 cm² at a time of application.

Claim 17 (previously presented): The patch according to claim 6, wherein the patch has an area of 5 to 80 cm² at a time of application.

Claims 18-20 (canceled)

Claim 21 (currently amended): A transdermal patch for external use having a backing layer and a pressure-sensitive adhesive layer formed on one surface of the backing layer, consisting essentially of polyisobutylene, a mineral oil and fentanyl as an active ingredient in the pressure-sensitive adhesive layer, contents of polyisobutylene and fentanyl in the pressure-sensitive adhesive layer respectively ranging from 75.2 to 94.2% by mass and 1 to 6% by mass while the content of the mineral oil being from 0.25 to 0.05 parts by mass based on polyisobutylene, wherein the pressure-

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sensitive adhesive layer does not contain a hydrophilic polymer.

Claim 22 (currently amended): A transdermal patch for external use having a backing layer and a pressure-sensitive adhesive layer formed on one surface of the backing layer, consisting essentially of polyisobutylene, a mineral oil, a percutaneous absorption enhancer and fentanyl as an active ingredient in the pressure-sensitive adhesive layer, contents of polyisobutylene and fentanyl in the pressure-sensitive adhesive layer respectively ranging from 75.2 to 94.2% by mass and 1 to 6% by mass while the content of the mineral oil being from 0.25 to 0.05 parts by mass based on polyisobutylene, wherein the pressure-sensitive adhesive layer does not contain a hydrophilic polymer.

Claim 23 (previously presented): The patch according to claim 22, wherein the polyisobutylene is a mixture of a high molecular weight polyisobutylene of average molecular weight in a range from 800,000 to 1,600,000 and a low molecular weight polyisobutylene of average molecular weight in a range from 30,000 to 80,000.

Claim 24 (previously presented): The patch according to claim 23, wherein a mass ratio between the high molecular weight polyisobutylene and the low molecular weight polyisobutylene is 1:9 to 2:3.

Claim 25 (new): The patch according to claim 21, wherein the mineral oil is liquid paraffin.

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Claim 26 (new): The patch according to claim 22,
wherein the mineral oil is liquid paraffin.

Claim 27 (new): The patch according to claim 21,
wherein the content of polyisobutylene is 85.0 to 93.0 by
mass and the content of mineral oil is 0.1 to 0.05 parts by
mass based polyisobutylene.

Claim 28 (new): The patch according to claim 22,
wherein the content of polyisobutylene is 85.0 to 93.0 by
mass and the content of mineral oil is 0.1 to 0.05 parts by
mass based polyisobutylene.